

In the Claims:

Please amend claims 66, 67, 70 and 74-75.

Please cancel claim 73 without prejudice.

1. - 65. (Previously Cancelled)

66. (Currently Amended) A modified annexin ~~suitable for direct radiolabeling~~  
~~which is direct radiolabeled with a metal radionuclide, comprising an a metal radionuclide~~  
~~complexed directly to a modified annexin, wherein the annexin is modified to provide an~~  
~~accessible add a sulfhydryl group which is capable of participating participates~~ in the  
complexation of ~~a~~ the metal radionuclide.

67. (Currently Amended) The modified annexin of claim 66, wherein the  
modification of the annexin comprises an amino acid extension at the N-terminus, said amino  
acid extension comprising the ~~accessible added~~ sulfhydryl group.

68. (Previously Added) The modified annexin of claim 67, wherein the  
sulfhydryl group is within ten amino acids from the N-terminus.

69. (Previously Added) The modified annexin of claim 67, wherein the  
amino acid extension further comprises glycine.

70. (Currently Amended) The modified annexin of claim 67, wherein the  
~~accessible added~~ sulfhydryl group is provided by cysteine.

71. (Previously Added) The modified annexin of claim 70, wherein the  
amino acid extension further comprises glycine.

72. (Previously Added) The modified annexin of claim 67, wherein the  
annexin is annexin V.

73. (Cancelled)

74. (Currently Amended) The modified annexin of claim 73 any one of claims 66-72, wherein the radionuclide is a diagnostic radionuclide.

75. (Currently Amended) The modified annexin of claim 73 any one of claims 66-72, wherein the radionuclide is F-18, Cu-64, Cu-67, Re-186, Re-188, Pd-100, Pd-109, Bi-212, Pb-212, Ga-67, Ga-68, Tc-99m, Tc-94, Ru-95, Ru-105, Rh-99, Rh-105, In-111, I-123, I-125, Sm-153, Lu-177, Lu-170, Pt-189, Pt-193, Au-199 or Hg-197.

76. (Previously Added) The modified annexin of claim 75, wherein the radionuclide is Cu-64, Cu-67, Re-186, Re-188, Pd-100, Pd-109, Bi-212, Pb-212, Ga-67, Ga-68, Tc-99m, Tc-94, Ru-95, Ru-105, Rh-99, Rh-105 or In-111.

77. (Previously Added) The modified annexin of claim 76, wherein the radionuclide is Tc-99m.